

Amendments to the Abstract:

ABSTRACT OF THE DISCLOSURE

A bonding member ~~includes,~~ is provided, including, a ~~ceramics-ceramic~~ member having a concave portion, a metal member ~~which has~~ having a convex portion ~~fitted-corresponding~~ to the concave portion, a ~~of the ceramic member.~~ A first bonding material ~~which joins~~ a bottom portion of the concave portion of the ~~ceramics-ceramic~~ member and a tip portion of the convex portion of the metal member ~~and.~~ The first bonding material has a porous structure, including particles and a ~~a~~ brazing filler metal, ~~that-and~~ covers a corner between tip and side portions of the metal member, ~~and-a.~~ A second bonding material ~~which includes~~ including a brazing filler metal ~~that joins a~~ the side portion of the concave portion of the ~~ceramics-ceramic~~ member and ~~a-the~~ side portion of the convex portion of the metal member.